

## **Product Component**

DEFINITION							
Name	Switch	n – Managed					
Description	multip Open t the da based	tch is a network device that provides physical connection points to form ple network segments. It operates at the Data Link Layer (Layer 2) of the Systems Interconnection (OSI) model. Switches are capable of inspecting ata packets, determining the source and destination device of that packet d on a physical (Media Access Control or MAC) address, and forwarding packet to the appropriate port. Switches are used to limit broadcast lins.					
Rationale	netwo securii Cisco s netwo netwo manuf	titches provide the basic physical connectivity and communication between twork devices on multiple network segments. They provided scalability, curity, and manageability to a network.  co Systems has been established as the statewide standard manufacturer for tworking products by the State of Missouri. Expansion of all existing tworks shall utilize Cisco products. State agencies utilizing other unufacturer's products may be maintained or replaced. However, expansion such networks shall utilize Cisco products.					
Benefits	•	Multiple network connection points Improves network utilization compared to hubs Allows for Port level security Increased network scalability Enables Virtual Local Area Networks (VLANs)  nes may have these additional features:  Support Virtual Local Area Networks (VLANs) Support Switch Trunking Additional security features Support additional feature sets for a variety of applications according to business needs					
	ASSOCIATED ARCHITECTURE LEVELS						
Specify the Domain Name		Infrastructure					
Specify the Discipline Name		Network					
Specify the name of the associated Technology Area		Network Hardware					
KEYWORDS							
List Keywords		Switch, Switching, MAC Address Forwarding, Ports, Data-Link Layer, OSI Model, Subnet, Broadcast Domain, SNMP, TCP, UDP TCP/IP, UDP, Cisco					

VENDOR INFORMATION									
Vendor Name	IBM Global Services	Website	www.ibm.com/easyaccess/mo						
Contact Information	Contact Information IBMCMD@US.IBM.COM								
POTENTIAL COMPLIANCE SOURCES									
Name	Cisco Systems, Inc.	Website	www.cisco.com						
Contact Information	Cs-support-us.cisco.com								
Name	Office of Administration	on Website www.oa.state.mo.us							
Contact Information <u>purchmail@mail.state.mo.us</u>									
COMPONENT REVIEW									
List Desirable aspects	Compatible with most industry standards								
List Undesirable aspects	<ul><li>One Vendor Source</li><li>Expensive</li></ul>								
Operating System	Internetworking Operating System	Platform	Cisco Switches						
	ASSOCIATED COMPLIANCE COMPONENTS								
Product									
List the Product-specific Compliance Component Names	manuals								
	Confi	guration Lir	ıks						
List the Configuration-specific Compliance Component Names	See <a href="https://www.cisco.com">www.cisco.com</a> for specific information regarding specific configuration and command reference manuals.								
	COMPONENT CLASSIFICATION								
Provide the Classification	☐ Emerging ☐ Cu	] Emerging ⊠ Current □ Twilight □ Sunset							
Sunset Date									
	COMPONENT	SUB-CLASS	SIFICATION						
Sub-Classification	ate Additional Sub-Classification Information								
☐ Technology Watch									
☐ Variance									
☐ Conditional Use									
RATIONALE FOR COMPONENT CLASSIFICATION									
Document the Rationale for Component Classification State of Missouri Contract – C202069001									
MIGRATION STRATEGY									
State of Missouri Contract – C202069001									

IMPACT POSITION STATEMENT							
Document the Position Statement on Impact	This contract affects purchases for any networking equipment from OSI layer 2 switches to OSI layer 3 and higher capable devices.						
AGENCIES							
List the Agencies Currently Utilizing this Product	All						
CURRENT STATUS							
Provide the Current Status	☐ In Development ☐ Ui	nder Review 🛛 Approved	d Rejected				
AUDIT TRAIL							
Creation Date	reation Date 7-2-2004		9-14-2004				
Reason for Rejection							
Last Date Reviewed		Last Date Updated					
Reason for Update							